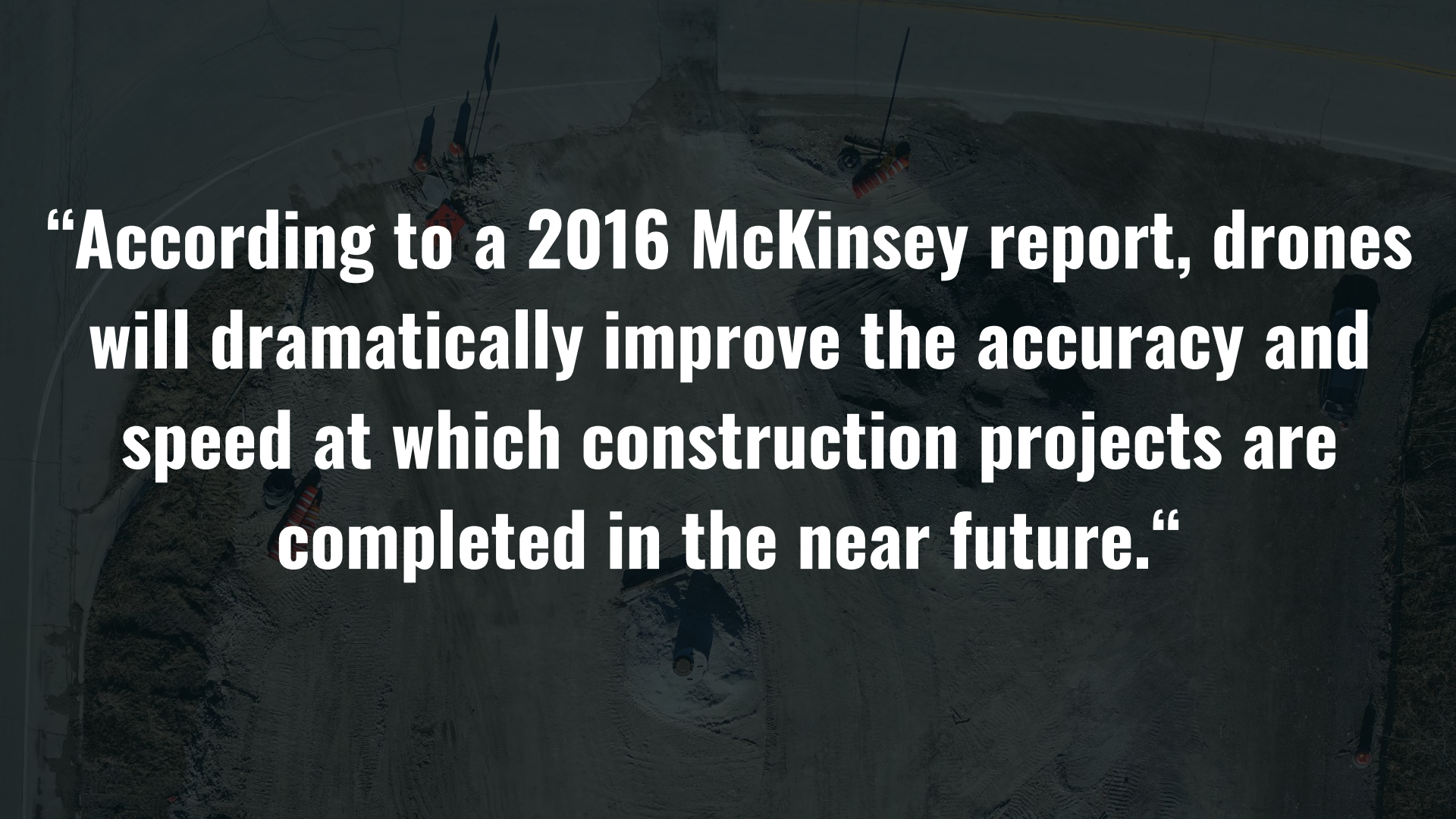
Getting Started Using Drones In AEC

Take Your Project to New Heights!

HELIOS VISIONS

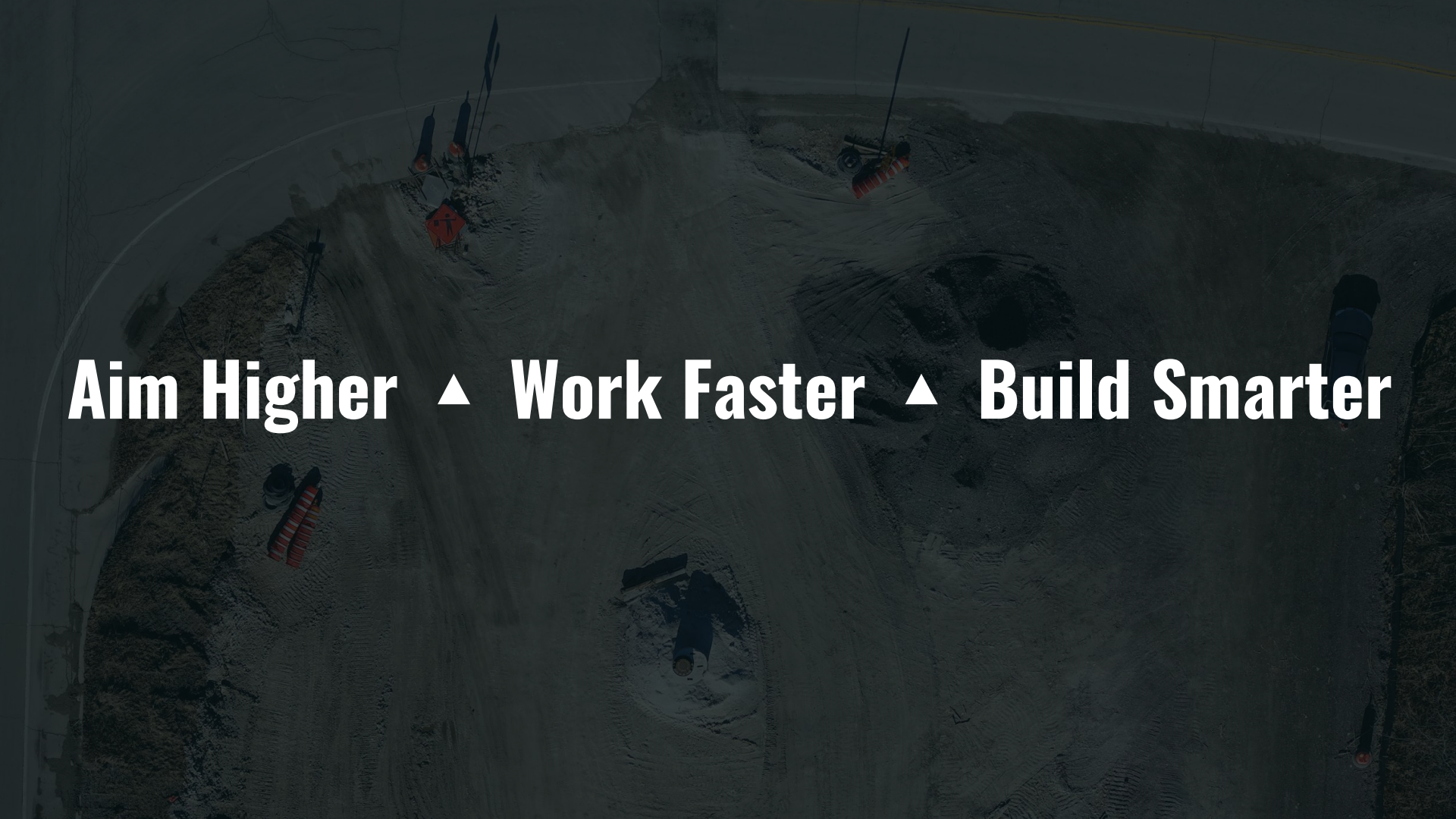
AERIAL DATA COLLECTION


“According to a 2016 McKinsey report, drones will dramatically improve the accuracy and speed at which construction projects are completed in the near future.“

Helios Visions is a drone services company that collects geospatial data for clients in the AEC industry.

We help clients gain access to real time jobsite insights to make data based decisions that reduce project costs and simplify project planning and management.


We help you scope your work site from every angle using state-of-the-art drone mapping services.

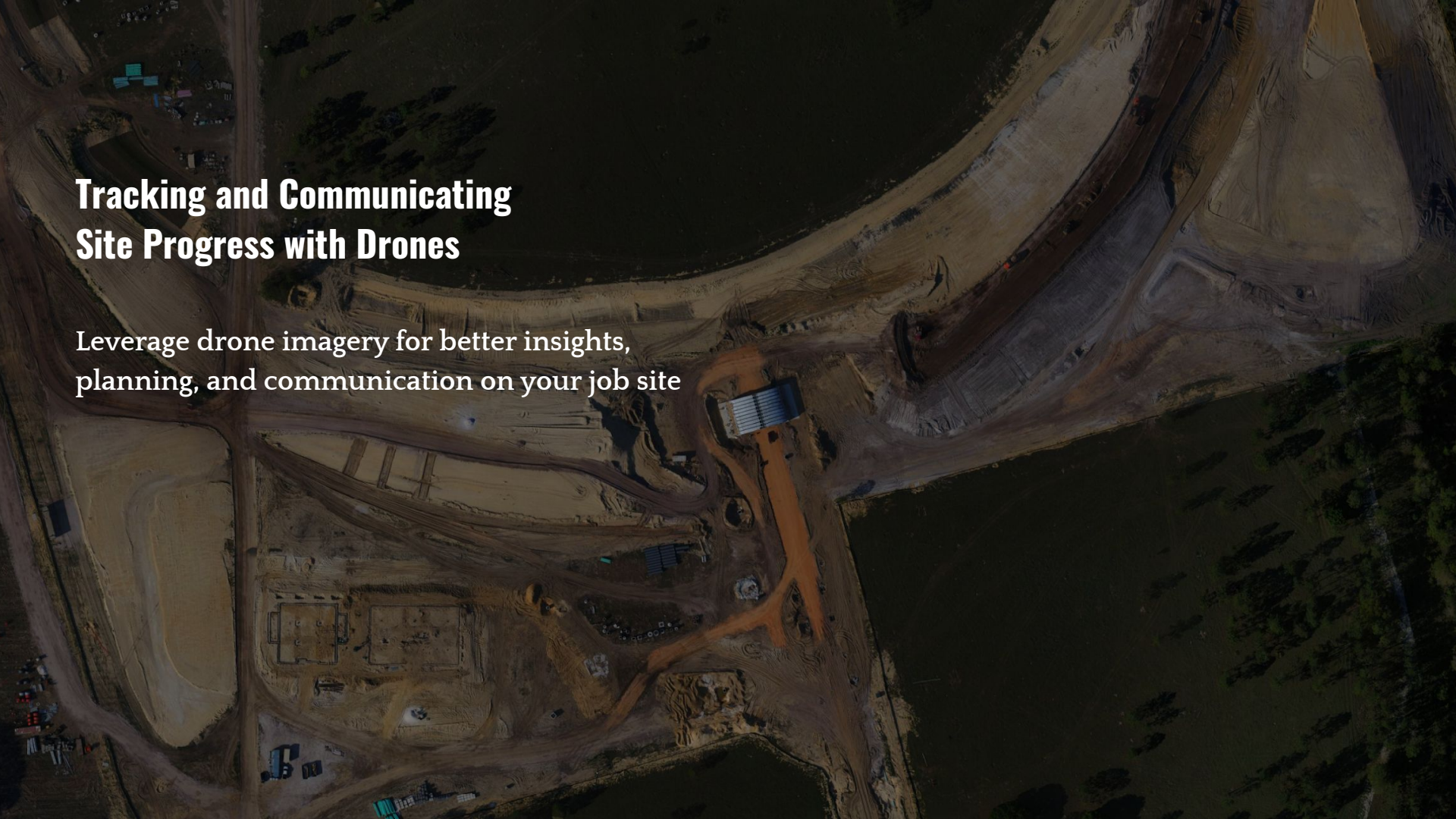

Aim Higher ▲ Work Faster ▲ Build Smarter

What we do

1) Marketing photos and videos
2) “As Built” 3D models
3) High resolution orthomosaics
4) Elevation Maps
5) 360 Panoramas (VR)
6) Progress Monitoring
7) Line of site visualizations
8) Asset Inspections
9) Thermal

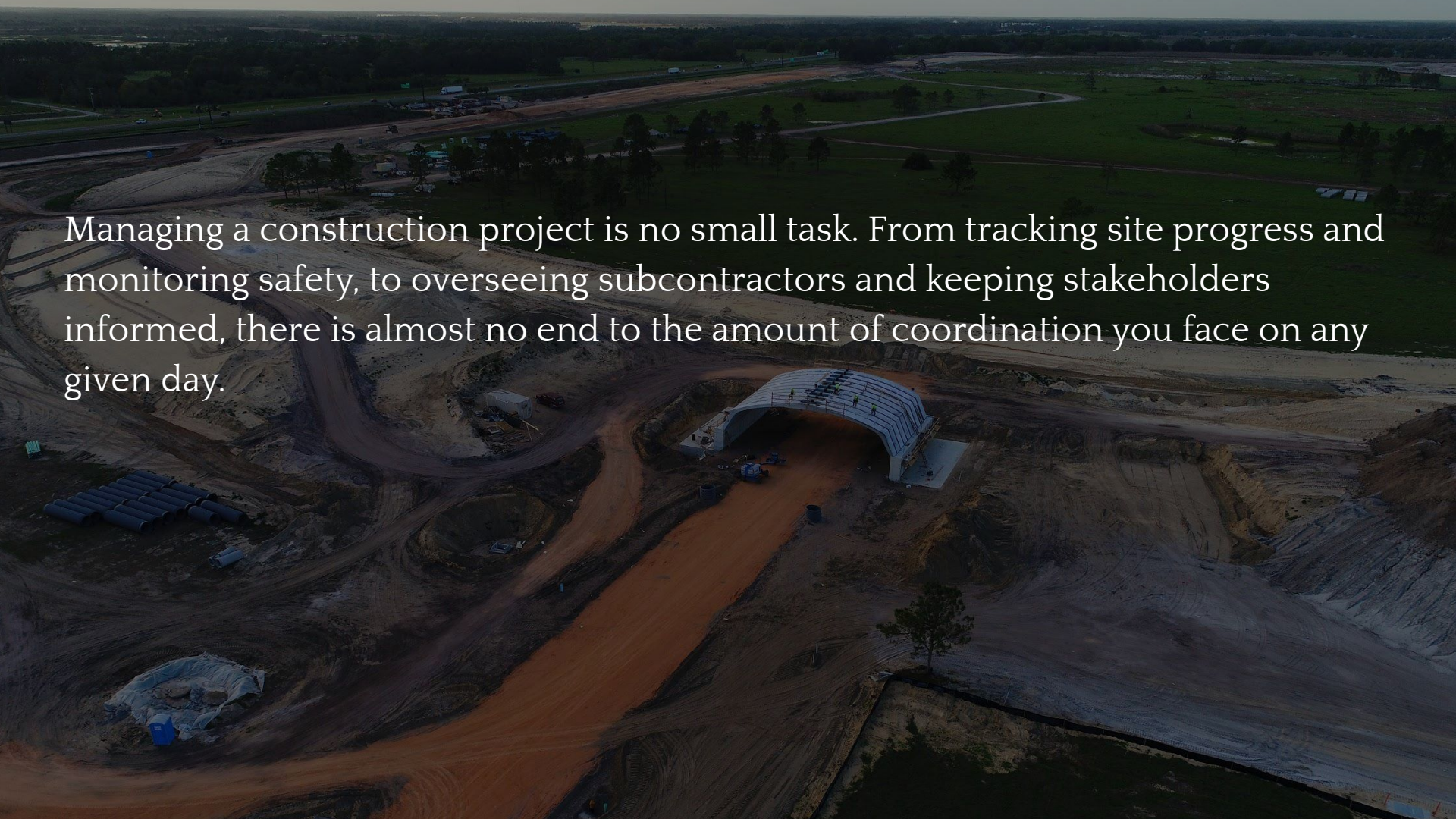
What you get when working with us

1) FAA Licensed/insured drone pilot
2) Photographer/videographer
3) Photo/video editor
4) State of the art software
5) Your point of contact is an owner of Helios Visions

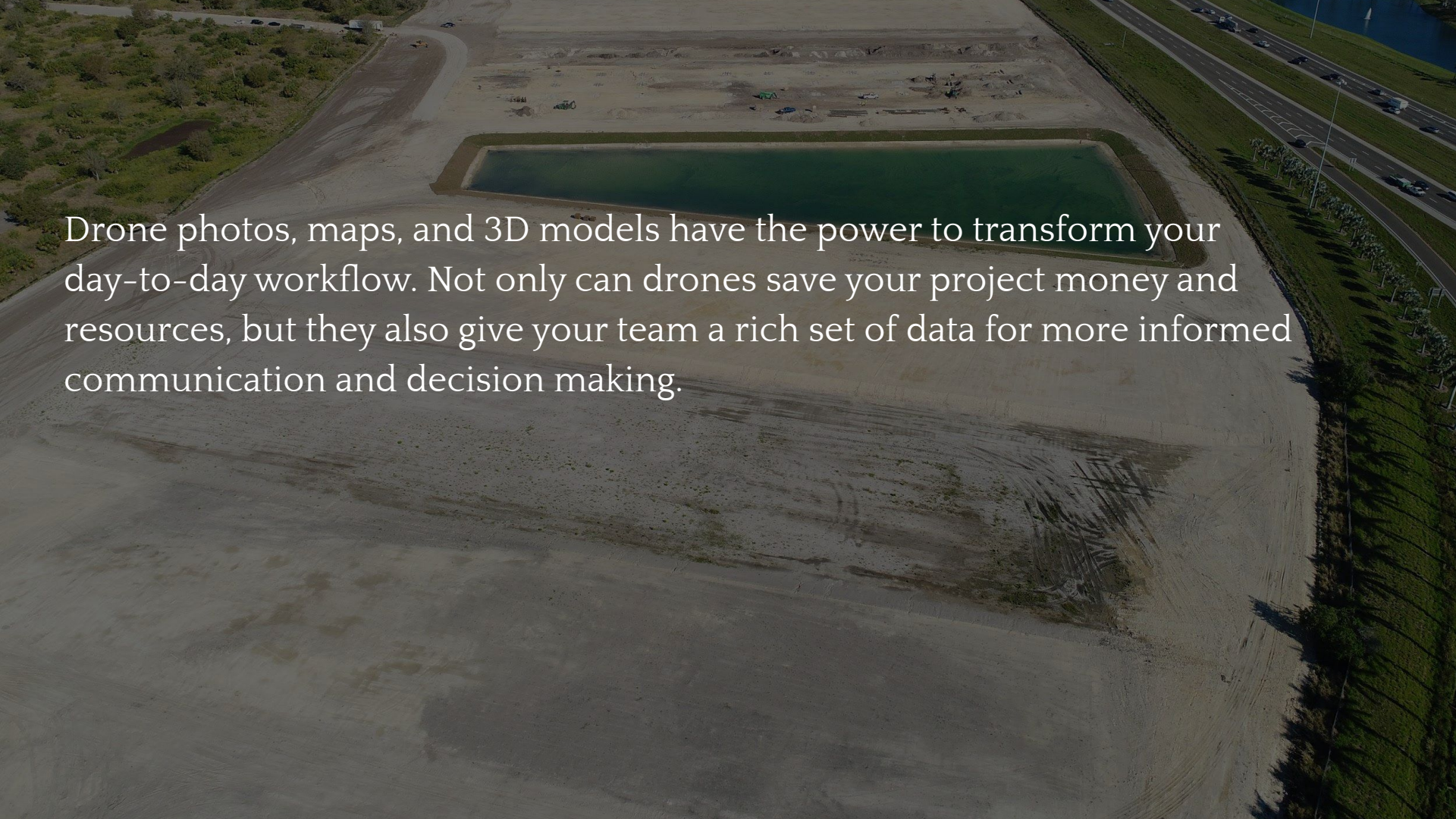


Tracking and Communicating Site Progress with Drones

Leverage drone imagery for better insights, planning, and communication on your job site

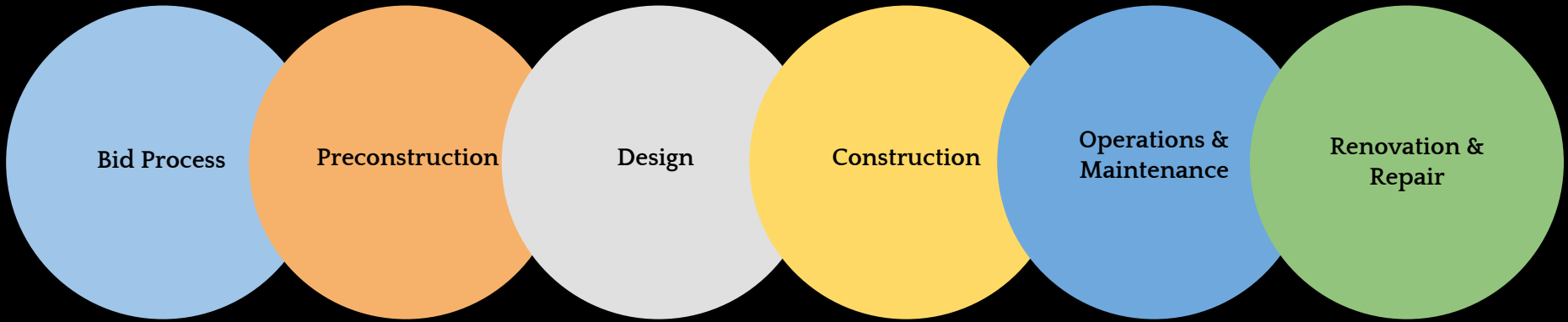


Managing a construction project is no small task. From tracking site progress and monitoring safety, to overseeing subcontractors and keeping stakeholders informed, there is almost no end to the amount of coordination you face on any given day.



Drone photos, maps, and 3D models have the power to transform your day-to-day workflow. Not only can drones save your project money and resources, but they also give your team a rich set of data for more informed communication and decision making.

Drones Can Provide Value at Every Stage of a Projects Life Cycle

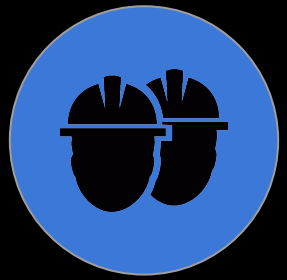


Drones are Transforming Workflows

- Capture aerial imagery in minutes
- Share collaborative maps, models, and reports
- Survey sites in record time
- Integrate aerial data with everyday tools

Delivering ROI in Construction

Increase Efficiency

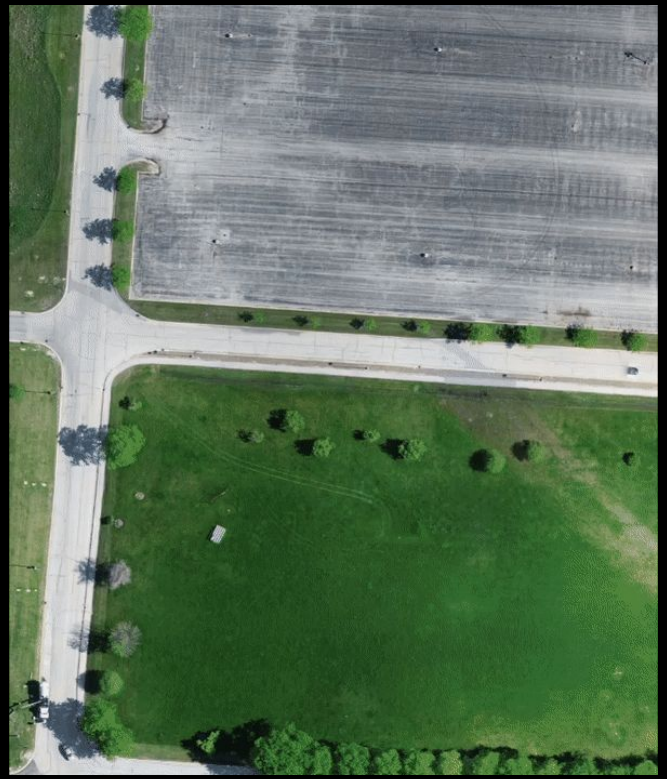


Improve Safety

Drive Productivity

Tracking Site Progress with Drones

- Collect aerial imagery on a regular basis
- Create visual timelines
- Compare designs to real world conditions
- Detect deviations from plans



Communicating Site Progress

- Keep stakeholders and clients up to date on a project's status
- Share collaborative maps and models with your team for better project management
- Connect the job site to the back office

Why Drone Imagery?

- Fast, same day turnaround time
- Repeatable, consistent, and accurate data
- Low initial costs to prove value
- High return-on-investment (ROI)
- Easy to share, collaborate, and export data to your existing industry tools

Companies We Work With

@properties

ARCO MURRAY

Colliers INTERNATIONAL

GRAYCOR

RELATED

SHAPACK PARTNERS

Trammell Crow Company

URBAN STREET GROUP LLC

WALSH

The **Walsh** Group

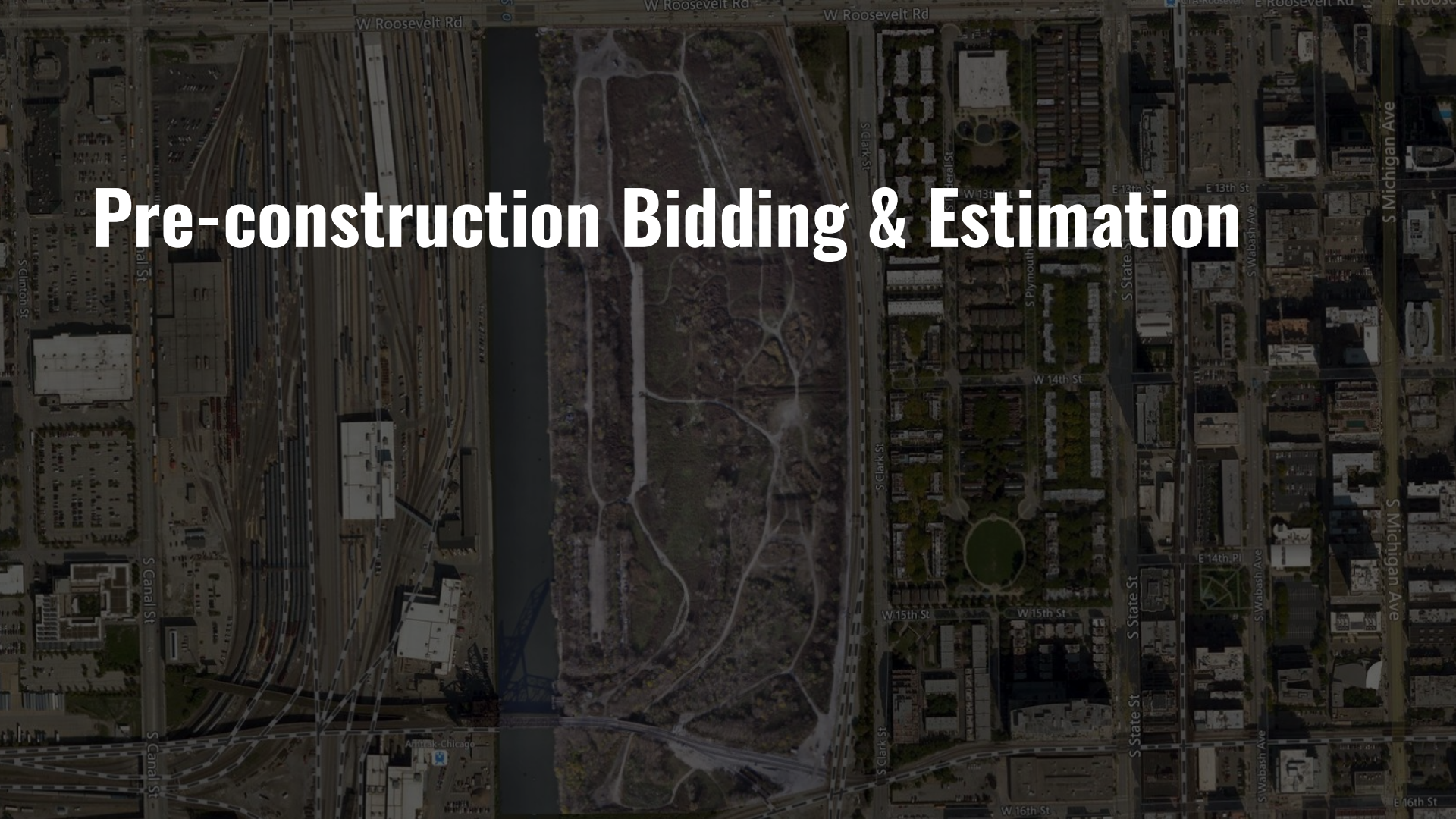
Drone Data Applications

Marketing & Promotional Materials

indeed
CHASE
CHASE


A Midsummer Night's Dream


SAUSAGE BACON & BEEF

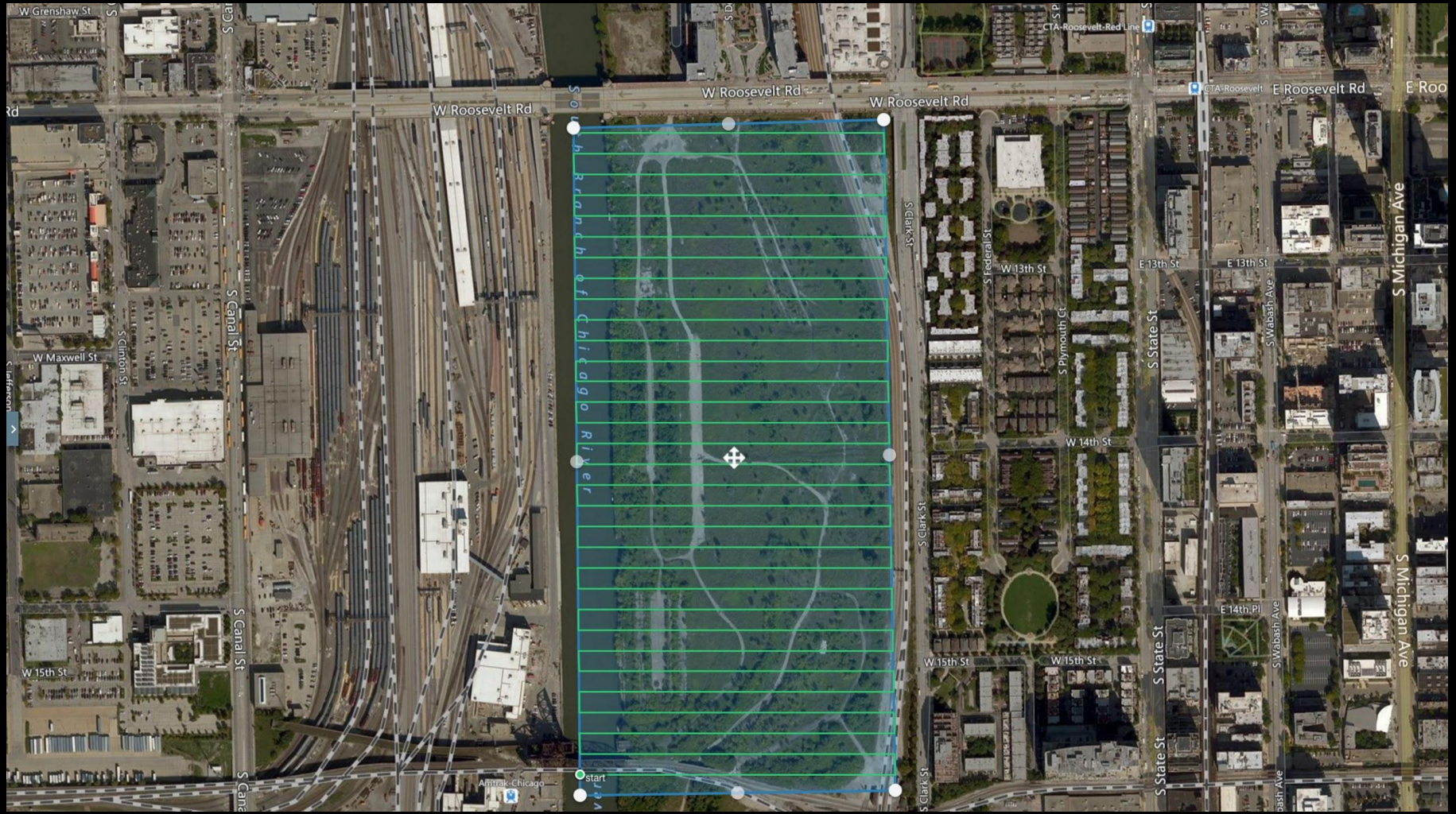


Pre-construction Bidding & Estimation

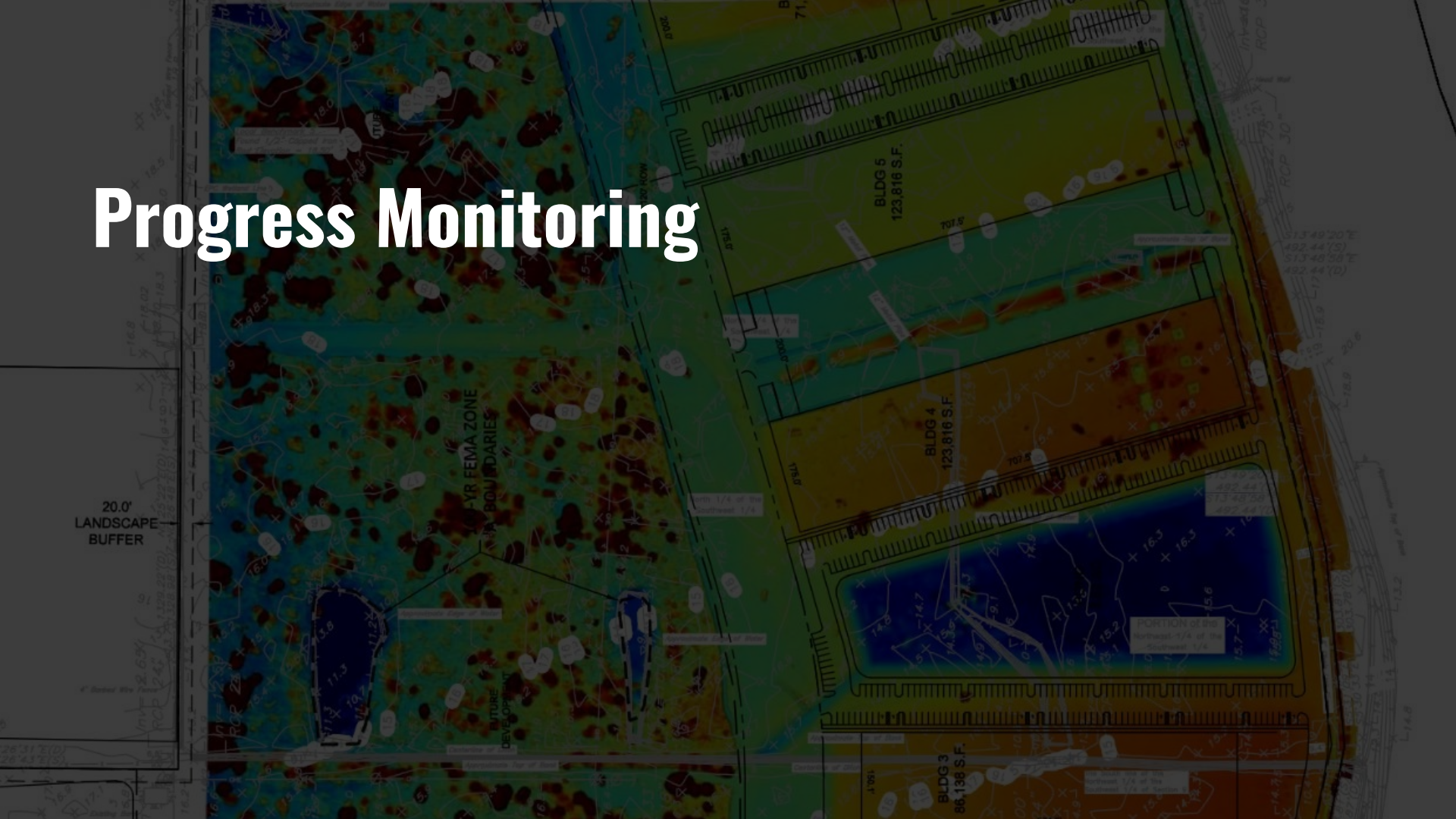
W Roosevelt Rd
W Roosevelt Rd
W Roosevelt Rd
S Canal St
S Canal St
S Canal St
S Clinton St
S Clark St
S Clark St
S Federal St
W 13th St
E 13th St
E 13th St
S Plymouth Ct
S State St
S State St
S State St
S Wabash Ave
S Wabash Ave
S Wabash Ave
S Michigan Ave
S Michigan Ave
W 14th St
E 14th Pl
W 15th St
W 15th St
Amtrak Chicago
W 16th St
E 16th St

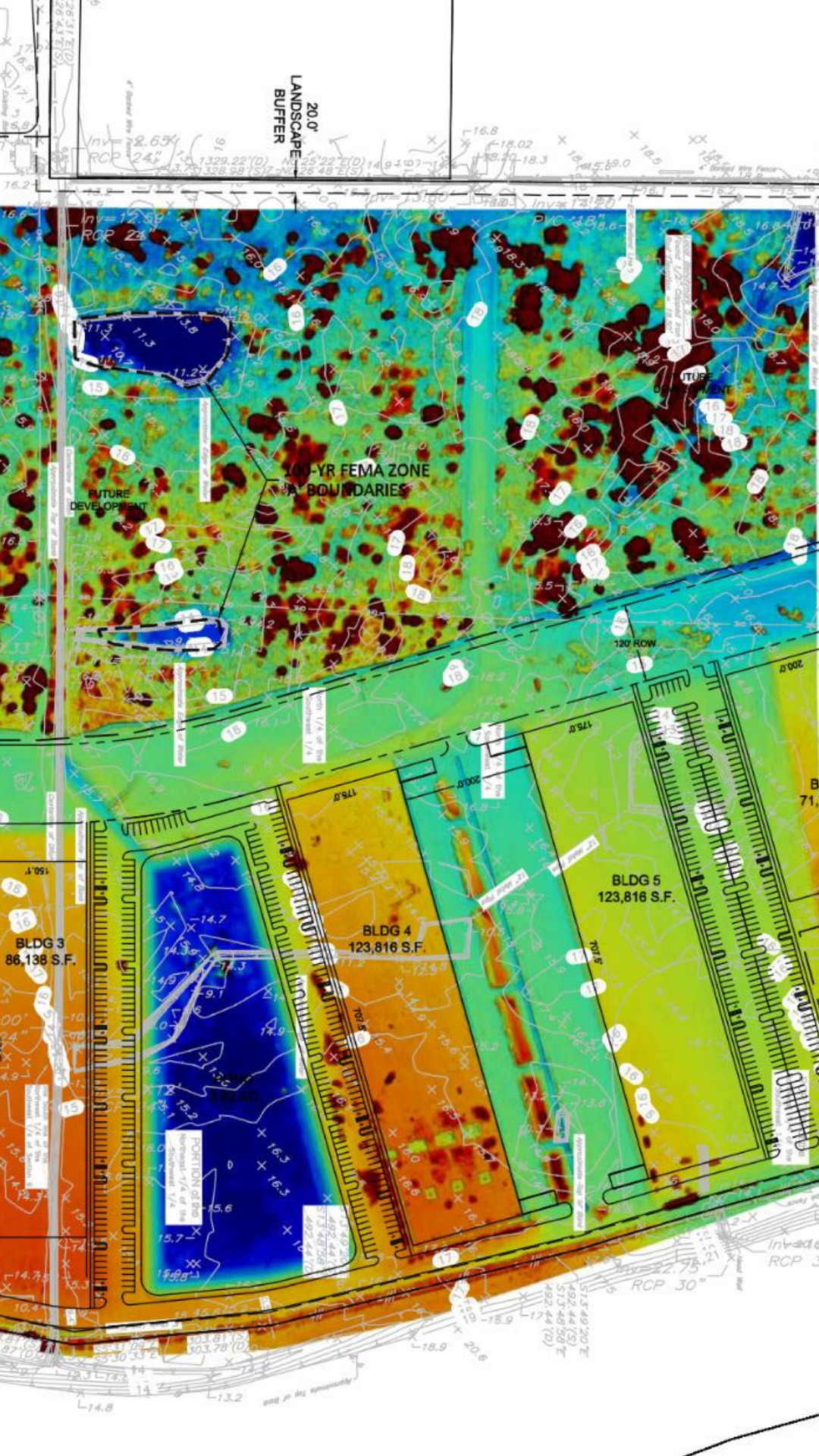
Line of Sight Visualizations

2D Base Maps - “Bird’s Eye View”

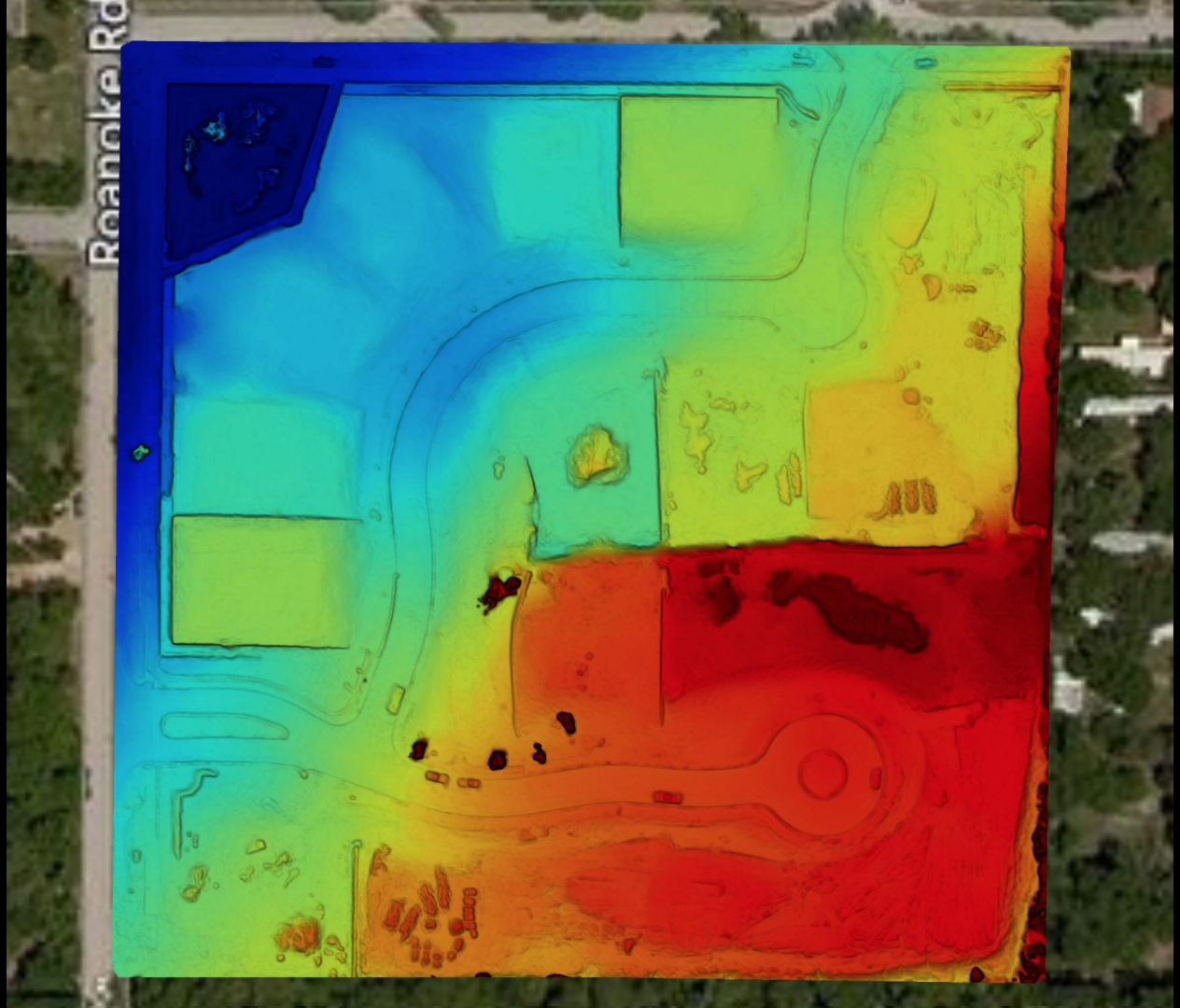

W Grenshaw St
W Roosevelt Rd
W Roosevelt Rd
W Roosevelt Rd
CTA-Roosevelt-Red Line
CTA-Roosevelt
E Roosevelt Rd
S Michigan Ave
S Canal St
S Clinton St
W Maxwell St
S Federal St
W 13th St
E 13th St
S Plymouth Ct
S State St
S Wabash Ave
W 14th St
S Clark St
E 14th Pl
W 15th St
W 15th St
Amtrak-Chicago
Start

Progress Monitoring



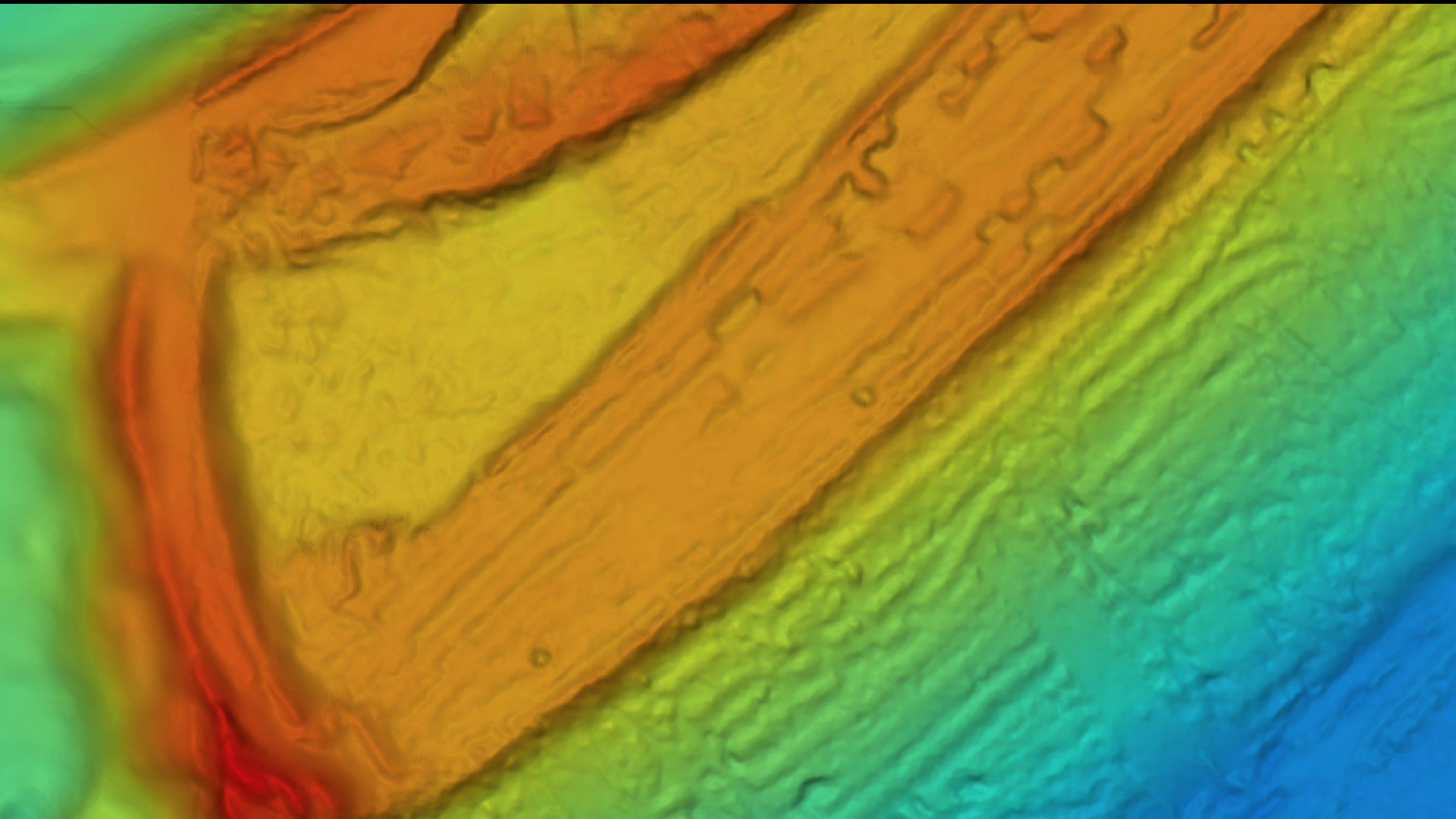

20.0' LANDSCAPE BUFFER
100-YR FEMA ZONE A BOUNDARIES
FUTURE DEVELOPMENT
120' ROW
BLDG 3
86,138 S.F.
BLDG 4
123,816 S.F.
BLDG 5
123,816 S.F.
175.0'
200.0'
150.0'
70.5'

Roanoke Rd

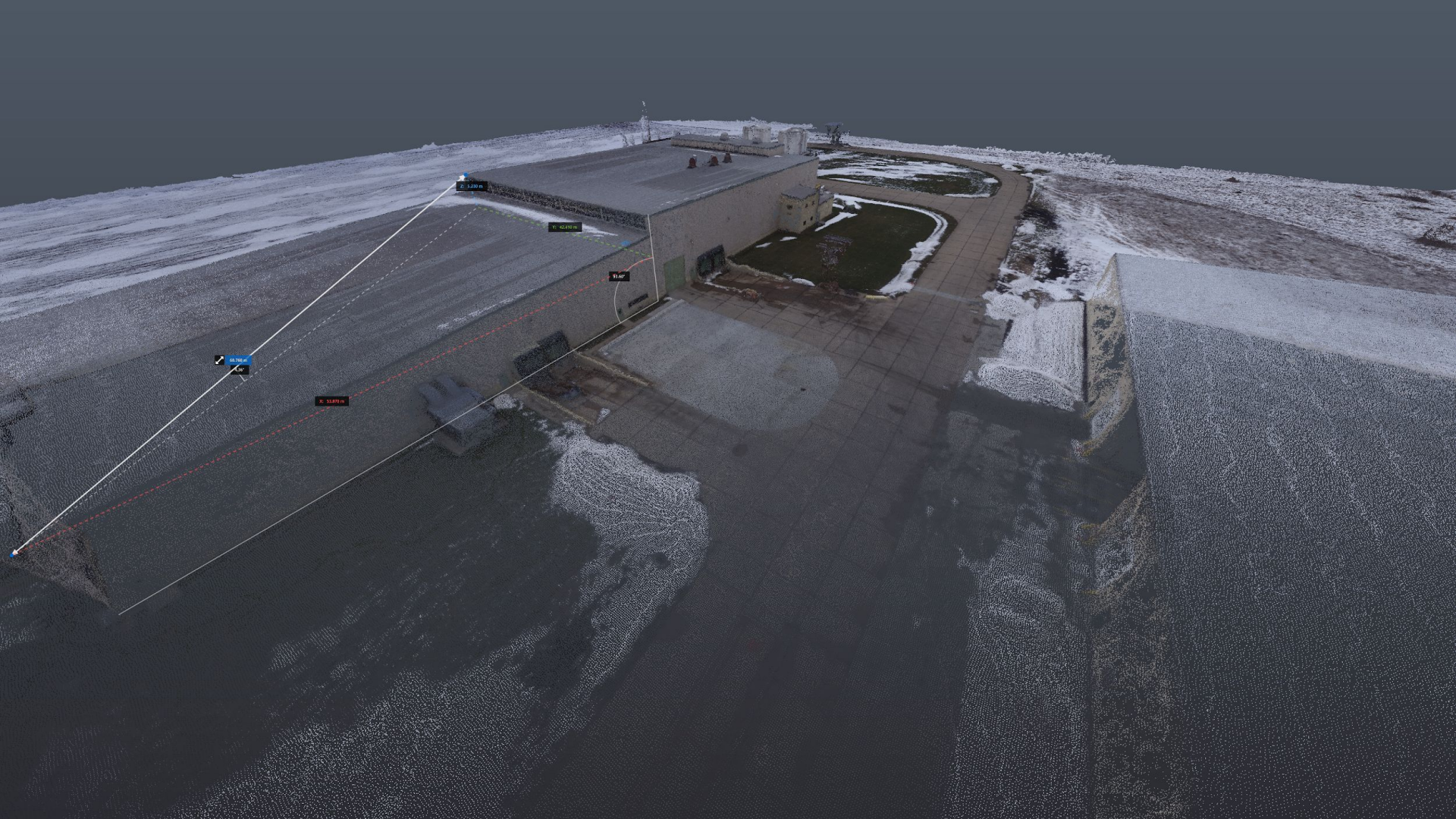

Roanoke Rd

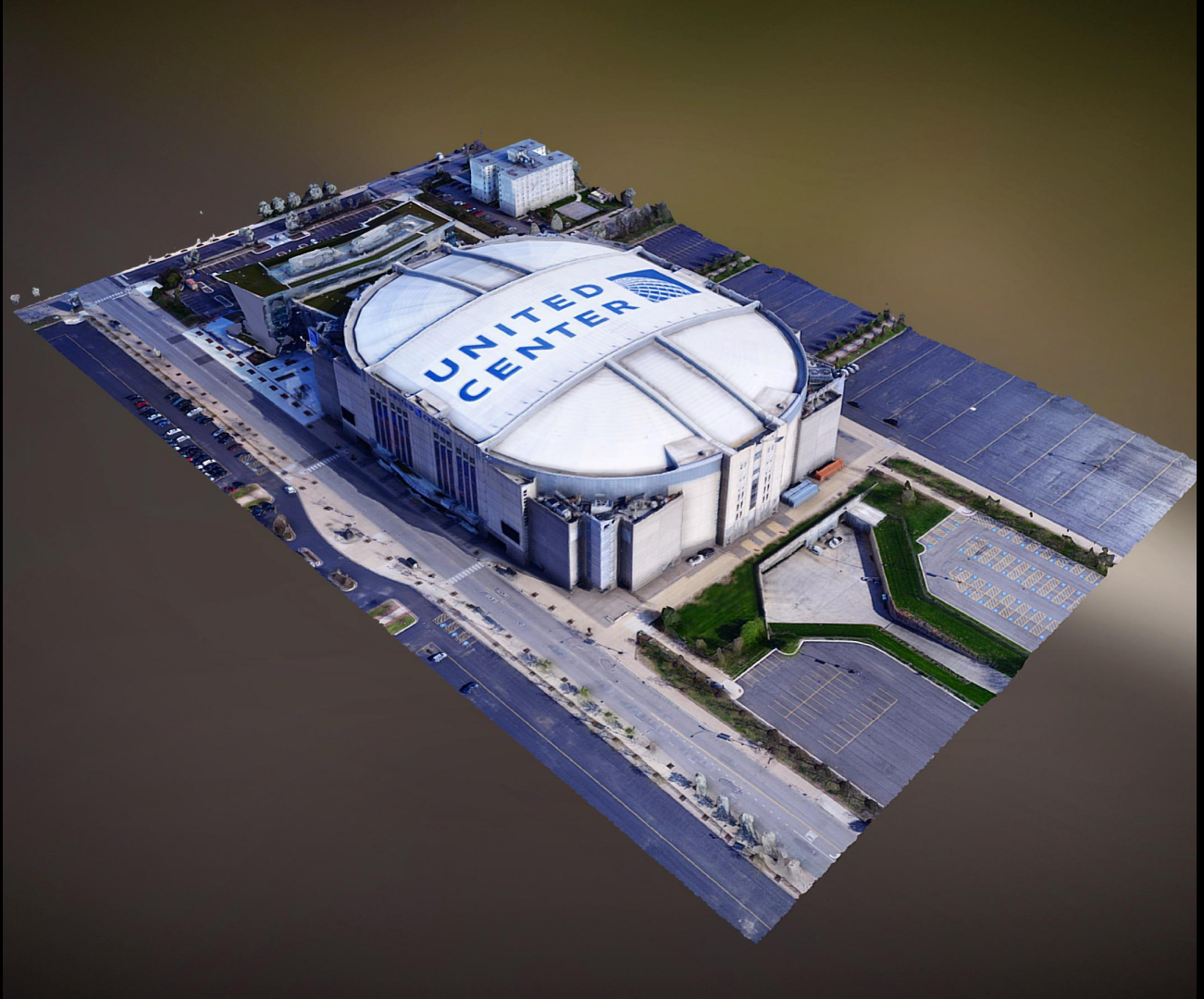

KOHL CENTER

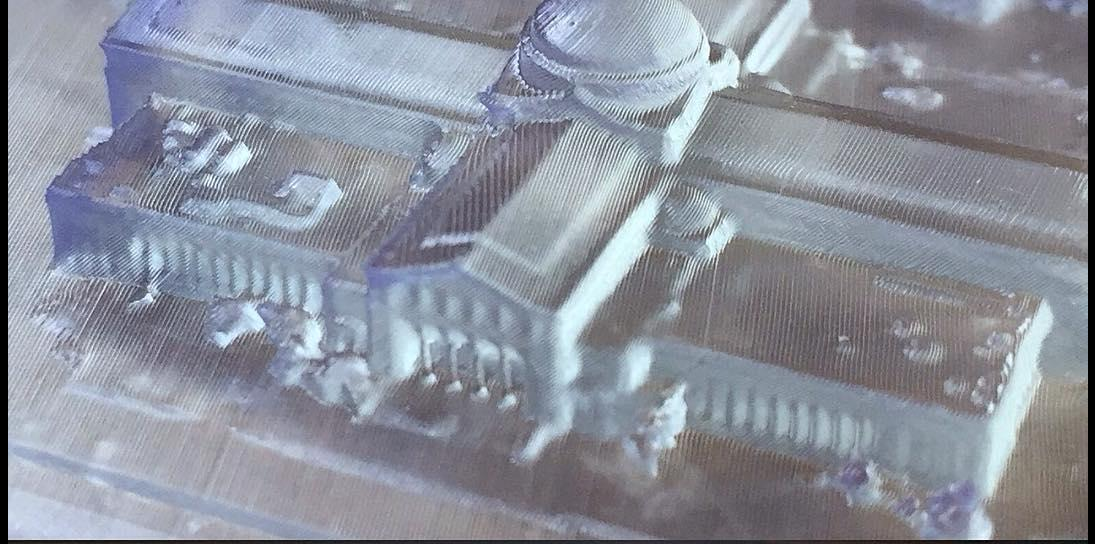

Leopardo



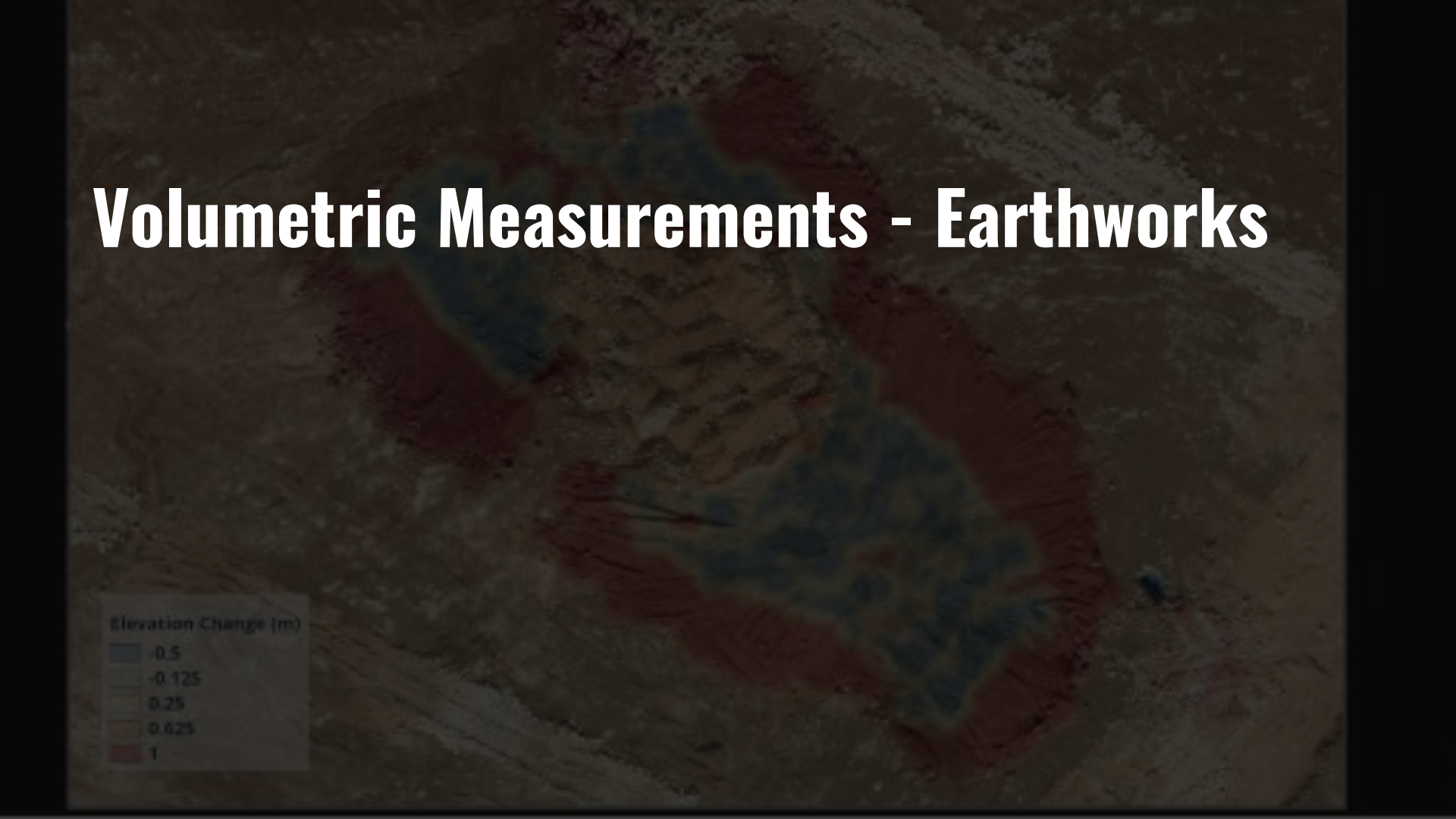
Point Clouds -“As Built” 3D Models

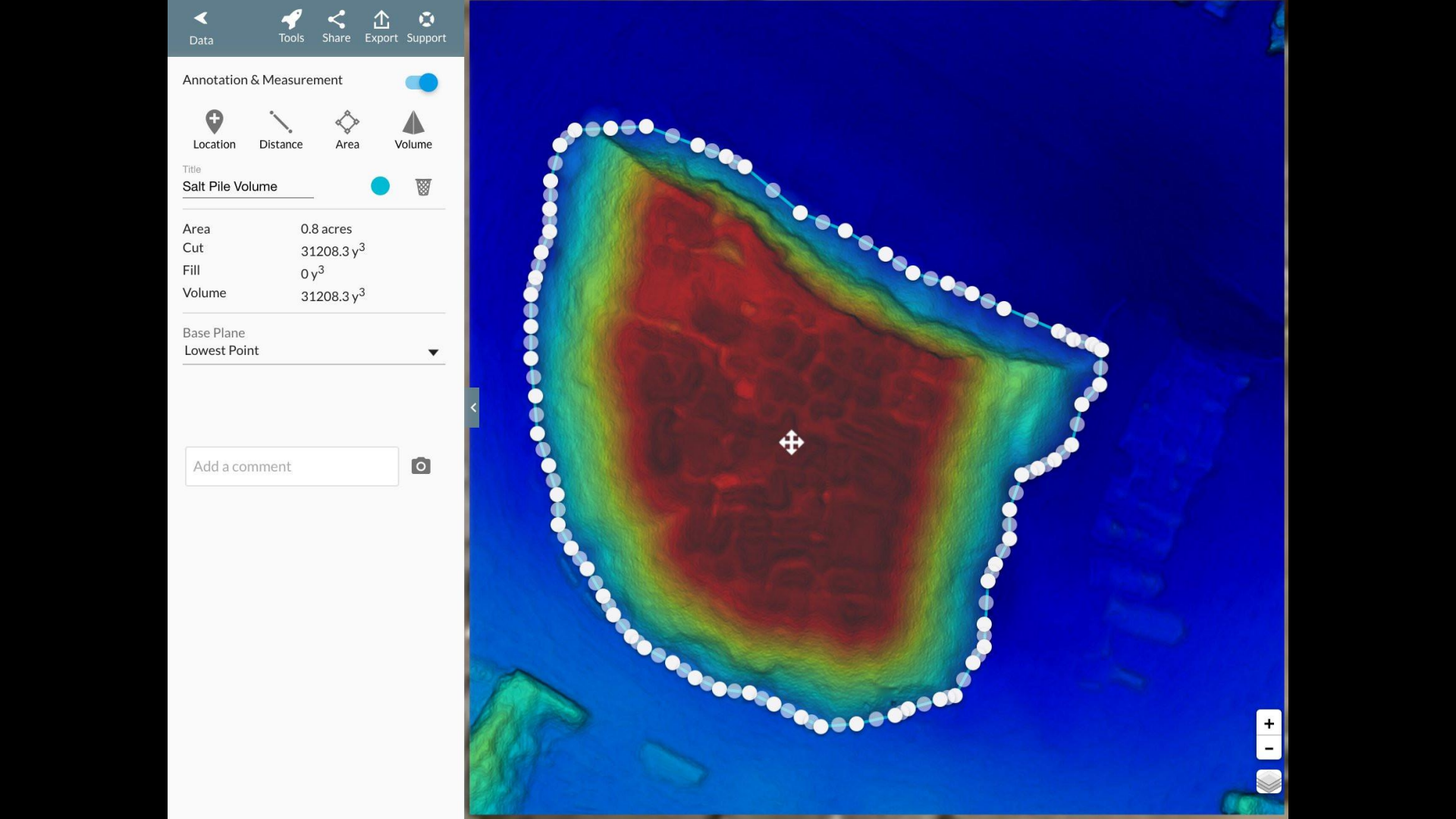

Z: 3.230 m
Y: 42.470 m
93.60°
69.766 m
X: 33.870 m

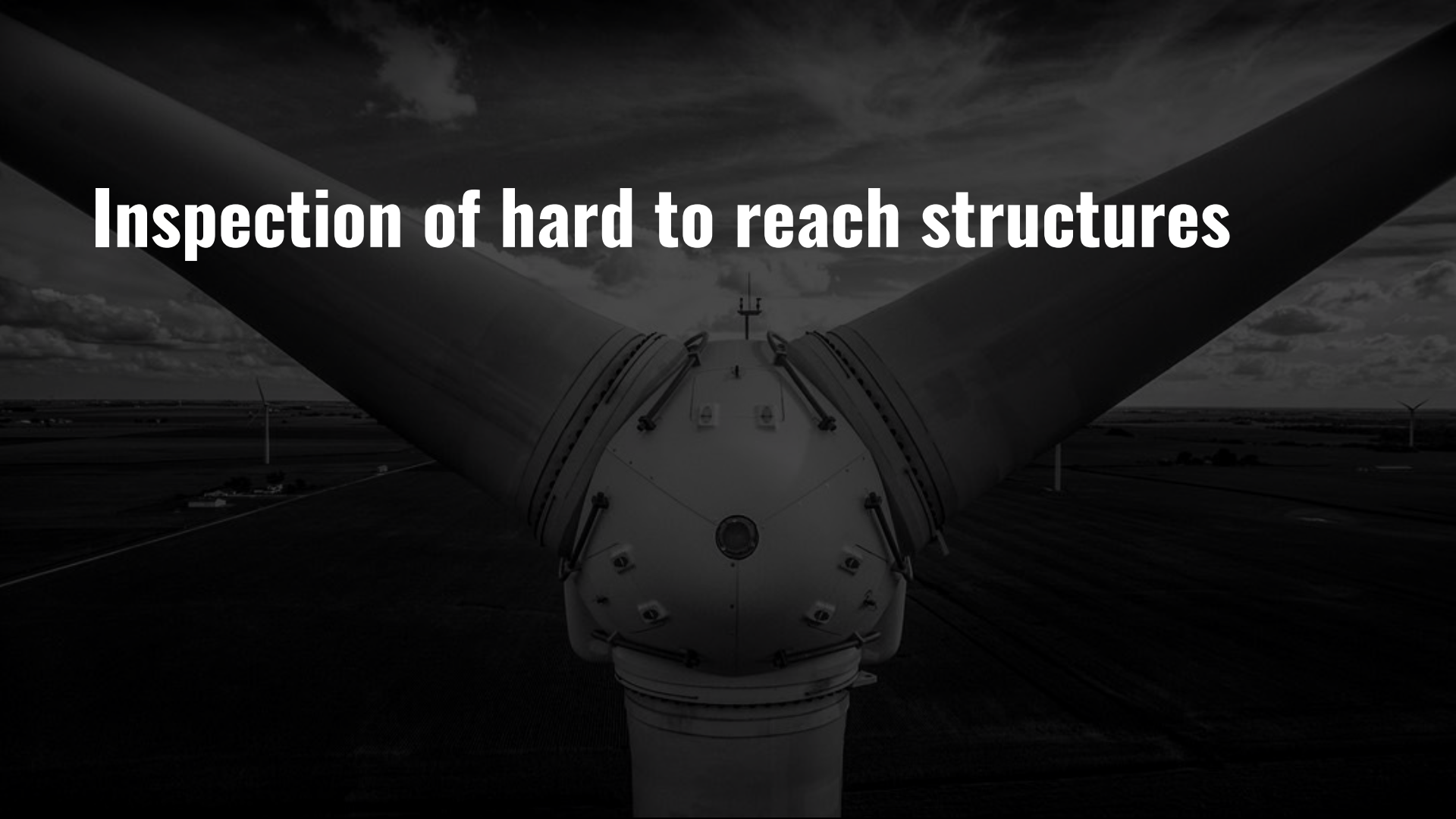

UNITED
CENTER



Volumetric Measurements - Earthworks




Data
Tools
Share
Export
Support
Annotation & Measurement
Location
Distance
Area
Volume
Title
Salt Pile Volume
Area 0.8 acres
Cut 31208.3 y3
Fill 0 y3
Volume 31208.3 y3
Base Plane
Lowest Point
Add a comment


Inspection of hard to reach structures

Reach out to Helios Visions to get data that works hard so you can breathe easy.

Helios Visions
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Chicago IL 60642
-
(312) 999-0071

www.heliosvisions.com/contact